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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A computer implemented system to facilitate a remote user accessing an application across a stateless protocol, comprising the following computer executable components:

a component for caching data associated with the remote user access, the data comprising state and user specific information; and

a component for managing memory storing at least one of the state and user specific information, wherein the user specific information and the state information are stored in a user context object;

a monitoring component that provides feedback information concerning usage of one or more user context objects; wherein more resources are allocated to a user context object when the feedback information indicates that the user context object has been utilized more than a first pre-determined threshold level; and

the memory managing component reclaims resources allocated to the user context object upon a determination that the user context object has not been accessed within a pre-determined threshold period of time, the pre-determined threshold period of time can be dynamically changed based, at least in part, on feedback concerning usage of one or more user context objects.

2. (Cancelled)

3. (Previously presented) The system of claim 1, the user specific information comprising at least one of:

a record of views accessible to the remote user, a record of views recently displayed to the remote user, a record of folders recently accessed by the remote user, a record of URLs for

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folders commonly accessed by the remote user, a record of at least one of messages and folders moved or copied by the remote user, and email addresses for the remote user.

4. (Original) The system of claim 1, the state information comprising at least one of:  
a record of one or more entities involved in a process requiring multiple requests from the remote user *via* the stateless protocol.
5. (Original) The system of claim 4, the entities comprising at least one of:  
memory locations, folders, directories, messages, objects, processes, threads, records, files and data.
6. (Original) The system of claim 1, wherein the stateless protocol is HTTP.
7. (Original) The system of claim 1, the application comprising at least one of:  
email, chat sessions, database programs, video games, web-enabled applications and search engines.
- 8-9. (Cancelled)
10. (Previously Presented) The system of claim 1, wherein the user context object is assigned a globally unique identifier.
11. (Previously Presented) The system of claim 1, wherein the memory managing component manages one or more user context objects.
12. (Original) The system of claim 11, wherein the memory managing component can locate a user context object *via* an addressing algorithm, the algorithm employing the globally unique identifier, a locale identifier, a mailbox identifier and a security identifier.
13. (Previously Presented) The system of claim 1, wherein the resources include at least one of memory, data communications devices, processor time and network bandwidth.

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14. (Previously Presented) The system of claim 1, wherein the pre-determined threshold period of time is one hour.
15. (Previously presented) The system of claim 1, wherein the pre-determined threshold period of time can be dynamically increased based, at least in part, on feedback concerning increased usage of one or more user context objects.
16. (Cancelled)
17. (Cancelled)
18. (Currently Amended) The system of claim 1[[7]], the resources comprising at least one of memory, processor time, communication devices and network bandwidth.
19. (Currently Amended) The system of claim 1[[6]], wherein resources are reclaimed from a user context objects when the feedback information indicates that the user context object has been utilized less than a second pre-determined threshold level.
20. (Currently Amended) The system of claim 1[[9]], the resources comprising at least one of memory, processor time, communication devices and network bandwidth.
21. (Currently Amended) The system of claim 1[[6]], wherein resources are shifted between one or more user context objects based, at least in part, on feedback information.
22. (Currently Amended) A computer implemented method for facilitating remote access to an application, the access occurring across a stateless protocol, comprising the following computer executable acts:
- allocating memory to cache at least one of state and user specific information associated with the remote access;

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caching the state information associated with the remote access of the application in the allocated memory;

caching the user specific information associated with the remote access of the application in the allocated memory;

monitoring feedback information concerning usage of memory allocated to cache the state and/or user specific information associated with the remote access; wherein additional memory is allocated to cache the state and/or user specific information associated with the remote access when the feedback information indicates that the allocated memory has been utilized more than a pre-determined threshold level; and

selectively reclaiming the memory allocated to cache the at least one of state and user specific information associated with the remote access, the reclaiming occurring upon the allocated memory not being accessed within a pre-determined period of time, the pre-determined period of time being dynamically changed based, at least in part, on feedback concerning the allocation of memory.

23. (Cancelled)

24. (Previously presented) The method of claim 22, the pre-determined period of time being one hour.

25. (Previously presented) The method of claim 22, the pre-determined period of time being dynamically adjustable based, at least in part, on feedback concerning the usage of the allocated memory associated with the remote access.

26. (Previously presented) The method of claim 22, further comprising assigning a globally unique identifier to the memory allocated to cache the at least one of state and user specific information.

27. (Previously presented) The method of claim 26, further comprising locating the at least one of state and user specific information *via* an algorithm, the algorithm employing the globally unique identifier, a locale identifier, a mailbox identifier and a security identifier.

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28. (Original) The method of claim 22, the state information comprising at least one of:  
a record of one or more entities involved in a process requiring multiple requests from the remote user *via* the stateless protocol.
29. (Original) The method of claim 28, the entities comprising at least one of:  
memory locations, folders, directories, messages, objects, processes, threads, records, files and data.
30. (Original) The method of claim 22, wherein the stateless protocol is HTTP.
31. (Original) The method of claim 22, the application comprising at least one of:  
email, chat sessions, database programs, video games, web-enabled applications and search engines.
32. (Original) The method of claim 22, further comprising:  
receiving feedback information concerning usage of one or more user context objects;  
and  
allocating more resources to a user context object, based at least in part, on the feedback information.
33. (Original) The method of claim 32, further comprising:  
de-allocating resources from a user context object, based at least in part, on the feedback information.
34. (Original) The method of claim 32, further comprising:  
shifting resources between one or more user context objects, based at least in part, on the feedback information.
35. (Currently Amended) The system of claim 1, further comprising a data packet ~~adapted to~~  
be transmitted between two or more computer processes, comprising;

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information related to facilitating remote access to an application, the access occurring across a stateless protocol, the information comprising:

at least one of state and user specific information associated with the remote access of the application.

36. (Currently Amended) A computer readable medium storing computer executable components of a system to facilitate a remote user accessing an application across a stateless protocol, the components including a component for caching data associated with the remote user access, the data comprising at least one of state and user specific information, the components including a component for selectively reclaiming the memory allocated to cache the state and/or user specific information associated with the remote access, the reclaiming occurring upon the allocated memory not being accessed within a pre-determined period of time, the pre-determined period of time being dynamically changed based, at least in part, on feedback concerning the allocation of memory, the components including a monitoring component that provides feedback information concerning usage of memory allocated to cache the state and/or user specific information associated with the remote access; wherein additional memory is allocated to cache the state and/or user specific information associated with the remote access when the feedback information indicates that the allocated memory has been utilized more than a pre-determined threshold level.

37. (Previously presented) The computer readable medium of claim 36 further including a component for managing memory storing the at least one of state and user specific information.

38. (Currently Amended) A computer readable medium storing computer executable instructions operable to execute a method for facilitating remote access to an application, the access occurring across a stateless protocol, the method comprising the following computer executable acts:

allocating memory to cache at least one of state and user specific information associated with the remote access;

caching the state information associated with the remote access of the application in the allocated memory;

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caching the user specific information associated with the remote access of the application in the allocated memory;

monitoring feedback information concerning usage of memory allocated to cache the state and/or user specific information associated with the remote access; wherein additional memory is allocated to cache the state and/or user specific information associated with the remote access when the feedback information indicates that the allocated memory has been utilized more than a pre-determined threshold level; and

selectively reclaiming the memory allocated to cache the at least one of state and user specific information associated with the remote access, the reclaiming occurring upon the allocated memory not being accessed within a pre-determined period of time, the pre-determined period of time being dynamically changed based, at least in part, on feedback concerning the allocation of memory.

39. (Cancelled)

40. (Previously presented) The computer readable medium of claim 39, further including computer executable instructions operable to dynamically reallocate resources to or from one or more user context objects based, at least in part, on feedback information received from one or more monitoring components.

41. (Currently Amended) A computer executable system for managing information in an application accessed *via* a stateless protocol, comprising:

computer implemented means for allocating memory to store state and/or user specific information associated with a remote user access of an application, the application being accessed *via* a stateless protocol;

computer implemented means for caching, in the allocated memory, state information associated with the remote access of the application;

computer implemented means for caching, in the allocated memory, user specific information associated with a remote accessor of the application;

computer implemented means for locating the state and/or user specific information cached in the allocated memory;

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computer implemented means for monitoring feedback information concerning usage of memory allocated to cache the state and/or user specific information associated with the remote access; wherein additional memory is allocated to cache the state and/or user specific information associated with the remote access when the feedback information indicates that the allocated memory has been utilized more than a pre-determined threshold level; and

computer implemented means for reclaiming the allocated memory when the memory has not been accessed within a pre-determined period of time, the pre-determined period of time being dynamically changed based, at least in part, on feedback concerning the allocation of memory.